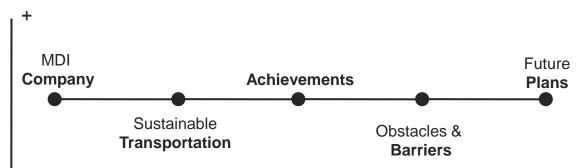


Motor Development International



powering the future we want

Summary







1972 UN Stockholm Conference End of the 80s A new vision

UN Rio de Janeiro
Earth Summit

Guy **Negre**

Founder & Pioneer in sustainable transportation

"Ecology will only have a real impact if it is accessible to all "

- 1991







Sustainable **Transportation**

Problems

non-renewable resources



geopolitical dependance



big, polluting & inhuman production factories



rigid & expensive manufacturing processes



huge energy & water utilisation & soiling



heavy & polluting supply chain



expensive technologies



range constraints



Sustainable **Transportation**

MDI Solutions









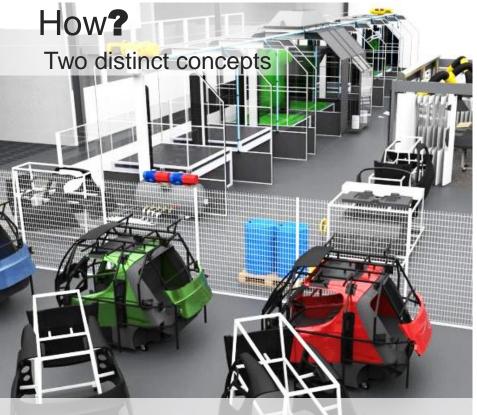


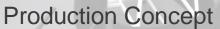










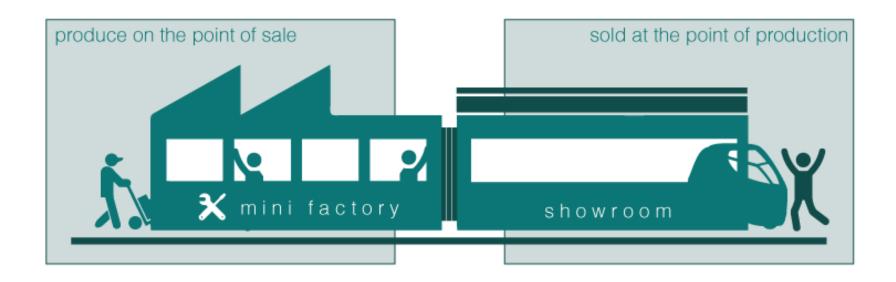




Compressed Air Technology



III.1 MDI Production Concept

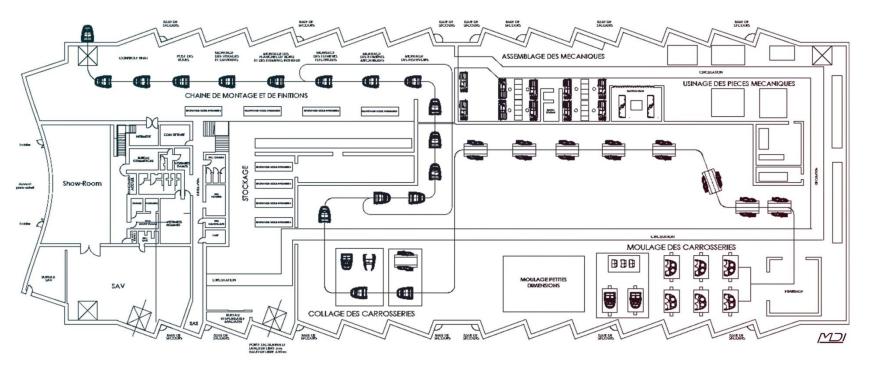






Factory **Layout**







All around the World

Implantation





MDI Process Benefits

Earth-friendly

1/3 ground compared to classic factories

Best energy repartition for production

No pollution due to transport of finished products



Economical & Social

Local employment

30% more workers

Knowledge & expertise sharing

Partnership network



Quality / Technical

Use of techniques not compatible with mass production

Functions integration thanks to composite materials

Increased energy efficiency through technology



Costs & Benefits

Reduction in import taxes

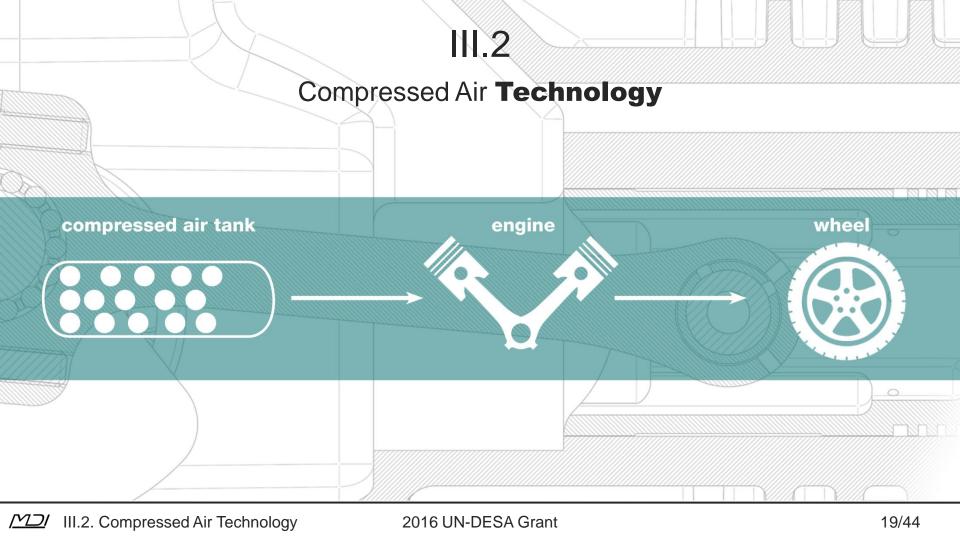
No stock of spare parts

Logistic costs drastically reduced

Decreased costs of production

Affordable products

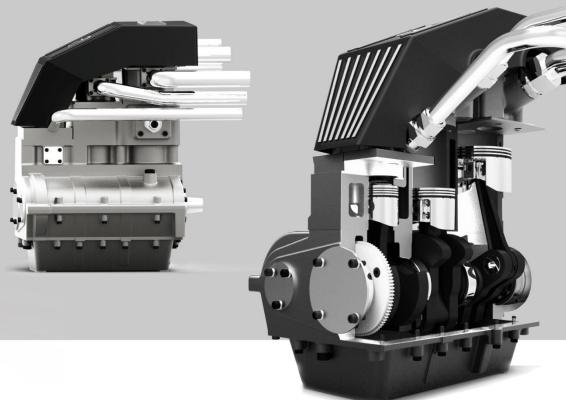




Air Tank & Engine

Simple & Efficient





Compressed Air Technology Benefits

Energy vector

Universal

Does not involve any reserve replacement

Constant performances

Well-known



Quick refill

Quick charging time

No range constraint

Renewable compression



MDI engine

High efficiency

Simple

Well-known mechanical parts

Reliability

Flexibility



MDI Products

Scalable / multiple applications

Lightweight

Life cycle



III.3 Examples of **Products**



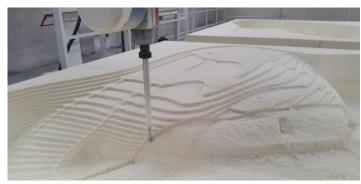
AirPod 1.0



AirPod 1.0 **Development**

Design Process













AirPod 1.0 **Development**

Approval















AirPod 2.0 **Development**

New model design







AirBOM Light

Development & approval





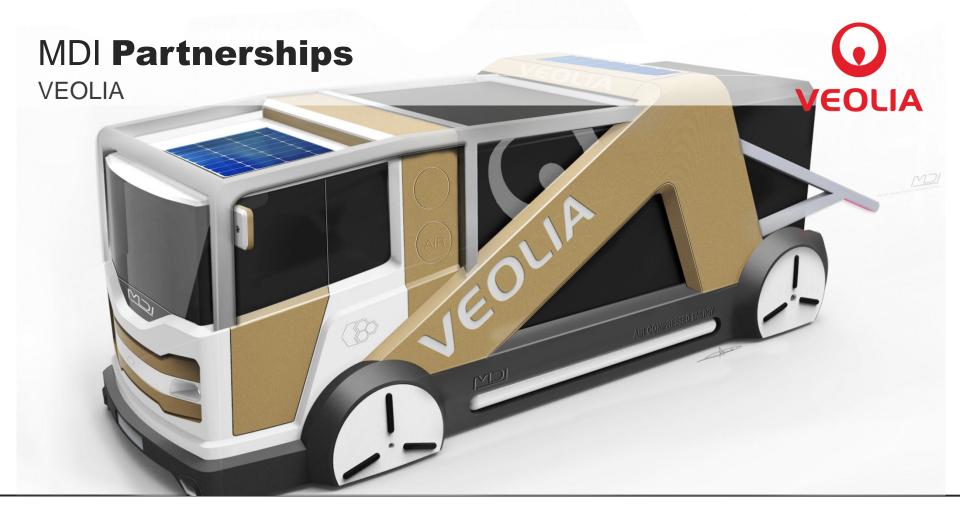
III.4 MDI Partnerships















Obstacles & Barriers

Cultural barriers

Reluctance to change fromInterlocutors

- Professionals
- Manufacturers
- Manufacturer
- Institutions

Financial barriers

Need for funding due to

- The size of the company
- The nature of and duration of the project

Monopolistic behavior of manufacturers in the transport market (relayed by the institutions).

Government barriers

Rigidity and complexity of domestic standards

Technical barriers

Solved:

Increase the engine efficiency to match urban expectations

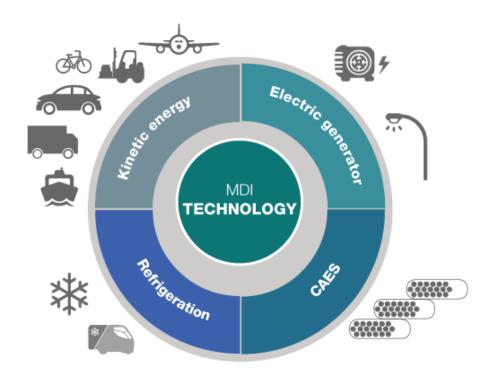
Very low temperatures

Systems & engine control





Scalable **Technology**

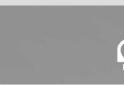




Short **Term**

Generating Sets



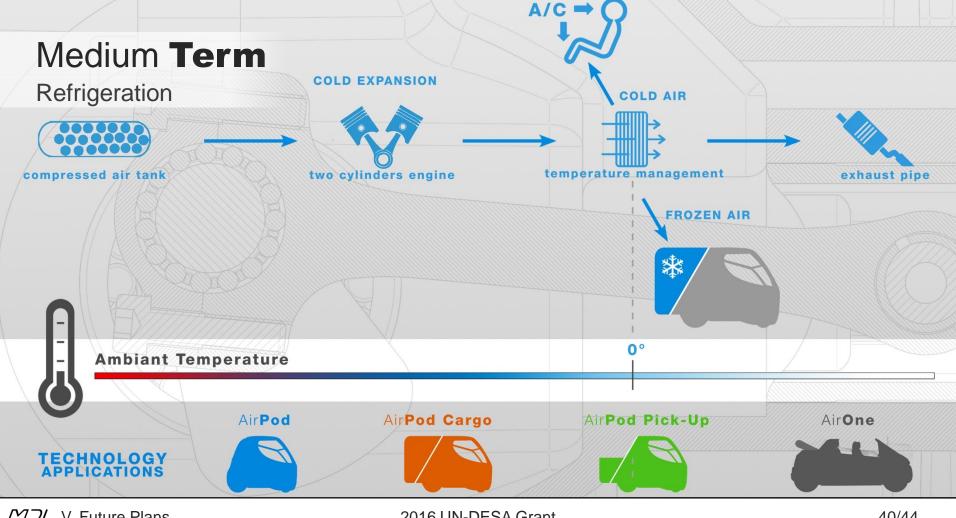








AIR POWER



MDIV. Future Plans2016 UN-DESA Grant40/44

Medium **Term**

AirPod 2.0 Range











